| Index of      | Claim | S                         | App  | licat        | tio | n No.       |          | Applicant(s) |        |  |  |  |  |
|---------------|-------|---------------------------|------|--------------|-----|-------------|----------|--------------|--------|--|--|--|--|
|               |       |                           | 10/0 | 356,0        | 03  | 34          |          | BOONE ET AL. |        |  |  |  |  |
|               | Exa   | mine                      | er   |              |     | Art Unit    |          |              |        |  |  |  |  |
|               |       |                           |      | /id J        | ٧   | enci enci   |          | 1641         |        |  |  |  |  |
| √ Rejected (T |       | (Through num<br>Cancelled |      |              | N   | Non-Elected |          | Α            | Appeal |  |  |  |  |
| = Allowed     |       | $\left[ \right]$          |      | Interference |     | 0           | Objected |              |        |  |  |  |  |

| CI              | aim           | Date     |          |          |          |              | CI           | Claim Date                                       |                |          |          |          |          |                 | 7        | Claim Date |          |          |                         |               |          |                 |            |          | $\neg$         |                 |          |          |          |          |          |           |
|-----------------|---------------|----------|----------|----------|----------|--------------|--------------|--|----------------|----------|----------|----------|----------|-----------------|----------|------------|----------|----------|-------------------------|---------------|----------|-----------------|------------|----------|----------------|-----------------|----------|----------|----------|----------|----------|-----------|
| Cir             |               |          |          |          |          |              |              |  |                |          |          |          |          | _               |          | ┨          |          | 31171    | Date                    |               |          |                 |            |          |                |                 |          |          |          |          |          |           |
| Final           | Original      | 12/28/04 | 5/12/05  | 11/4/05  |          |              |              |  |                |          | Final    | Original |          |                 |          |            |          |          |                         |               |          | Final           | Original   |          |                |                 |          |          |          |          |          |           |
|                 | 1             | ÷        | 7        | 1        |          |              |              |  |                | П        |          | 51       |          | П               | 一        | ╗          | ヿ        | ┪        | ヿ                       |               | ヿ        |                 | 101        |          |                |                 | Г        |          |          |          | 寸        | $\neg$    |
|                 | 2             | .+       | 7        | 7        |          | T            |              | Т  | Г              | П        |          | 52       |          | П               |          | $\neg$     | T        | ┪        |                         |               | 7        |                 | 102        | Г        |                | Т               |          |          |          |          | 一        | ヿ         |
|                 | 3             | +        | 1        | 1        | Г        | Π            |              | $\Box$   | Г              | П        | <u> </u> | 53       |          | П               |          | T          | T        | T        |                         |               | 7        |                 | 103        |          | П              |                 |          |          |          |          | 一        | $\neg$    |
|                 | 4             | ÷        | Ν        | Ν        |          |              |              |  |                | П        |          | 54       |          | П               |          |            |          | $\top$   | $\neg$                  |               | 1        |                 | 104        |          |                |                 |          |          |          |          |          |           |
|                 | 5             | ÷        | Ν        | 2        |          |              |              |  |                | П        |          | 55       |          | П               | $\Box$   | $\neg$     | $\neg$   | $\neg$   | $\neg$                  |               | 7        |                 | 105        |          |                |                 |          |          |          |          |          | $\neg$    |
|                 | 6             | ÷        | 7        | 7        |          |              |              |  |                |          |          | 56       |          |                 |          |            | $\Box$   | Т        |                         |               | 7        |                 | 106        |          |                |                 |          |          |          |          |          | $\neg$    |
|                 | 7             | ÷        | 1        | 7        |          |              |              |  |                |          |          | 57       |          |                 |          |            |          | Т        |                         |               |          |                 | 107        |          |                |                 |          |          |          |          |          |           |
|                 | 8             | +        | 1        | 7        |          |              |              |  |                |          |          | 58       |          |                 |          |            |          |          |                         |               |          |                 | 108        |          |                |                 |          |          |          |          |          |           |
| Ĺ               | 9             | ÷        | 1        | 7        | L        | _            | L            | _  | <u>_</u>       | Ш        |          | 59       |          |                 |          |            |          |          |                         |               |          |                 | 109        |          |                |                 |          |          |          |          |          |           |
|                 | 10            | +        | 1        | 4        | _        |              | <u> </u>     | _  | L              | Ш        | <u> </u> | 60       |          | Ш               |          |            | _        | $\perp$  |                         |               | _        |                 | 110        |          |                |                 |          |          |          |          |          |           |
| <u></u>         | 11            | ÷        | 1        | 7        |          | 乚            | L            | <u></u>  |                | Ш        |          | 61       |          | Ш               | _        |            | $\perp$  | $\perp$  |                         |               | ╛        |                 | 111        |          |                |                 |          |          |          |          |          |           |
|                 | 12            | ÷        | 1        | 1        | <u> </u> | <u> </u>     | ┞            | <b>_</b>   | <u> </u>       | Ш        | <u> </u> | 62       |          | Ш               |          |            |          | $\perp$  | _                       |               | _        | $\Box$          | 112        |          |                |                 | $\Box$   | $\Box$   | $\Box$   |          | _[       |           |
|                 | 13            | +        | 1        | 1        | _        | <u> </u>     | <u> </u>     | _  | <u> </u>       | Щ        |          | 63       | <u> </u> | $\sqcup$        | _        |            |          | 4        | _                       | $\perp$       | 4        |                 | 113        |          |                |                 | <u> </u> |          |          | _        | _        | _         |
| <u> </u>        | 14            | +        | 1        | 1        | ┡        | <u> </u>     | ┡            | ├-   | <u> </u>       | H        |          | 64       |          | -               |          | _          | _        | -        | 4                       |               | 4        |                 | 114        |          |                | _               |          |          |          | 4        | _        | _         |
| <u> </u>        | <del>15</del> | +        | -        |          | <u> </u> |              | -            | ├-   | <del> </del> — | $\vdash$ |          | 65       | $\vdash$ | $\vdash \dashv$ |          | _          | 4        | _        | 4                       | _             | 4        | $\vdash$        | 115        | _        | Ш              | $\vdash$        | Ш        | Щ        | Щ        | _        | _        |           |
| <u> </u>        | 16            | +        | ,        | .1       |          | <del> </del> | <del> </del> | ⊢  | _              | Ш        | -        | 66       |          |                 |          | _          | -        | -        | 4                       |               | 4        |                 | 116        | _        | Щ              |                 | _        |          |          | _        | _        | 4         |
| _               | 17            | +        | 1        | 7        |          | ├            | ⊢            | ├  | -              | Н        |          | 67       | _        | $\dashv$        | _        | -          |          | +        | 4                       | -             | 4        | $\vdash$        | 117        | <u>_</u> |                |                 |          |          | Ш        | $\dashv$ | -        | $\dashv$  |
|                 | 18            | +        | 7        | _        | <u> </u> | ⊢            | ⊢            | -  | <u> </u>       | Н        |          | 68       |          | $\vdash$        | -        | -          | $\dashv$ | +        | 4                       | +             | 4        | <u> </u>        | 118        |          | Щ              |                 | Н        |          |          | _        | $\dashv$ |           |
| <u> </u>        | 19            | +        | N >      | N        | <u> </u> | -            | ⊢            | ⊬  | ┝              | Н        | -        | 69<br>70 | _        | -1              | $\dashv$ | -          | $\dashv$ | -        |                         | +             | 4        |                 | 119        |          |                | $\vdash$        | Н        | _        | Н        | -        | {        | ᅴ         |
| <u> </u>        | 20            | +        | <b>∀</b> | Ť        | -        | ┢            | $\vdash$     | -  | -              | Н        | -        | 70       | -        | $\vdash$        | $\dashv$ | -          | $\dashv$ | +        | 4                       | $\dashv$      | ┥        |                 | 120        | _        | _              |                 | Н        | _        |          |          |          | 긕         |
| <u> </u>        | 22            | +        | 7        | Ť        | _        | $\vdash$     | ⊢            | $\vdash$   | -              | Н        |          | 72       |          | $\vdash$        | $\dashv$ | $\dashv$   | $\dashv$ | +        | +                       | +             | -        |                 | 121<br>122 | -        | Н              |                 | $\vdash$ | _        | $\dashv$ | $\dashv$ | -        | 긕         |
|                 | 23            | +        | 1        | Ť        |          | -            | -            | ├  | $\vdash$       | Н        |          | 73       | Н        | $\vdash$        | -+       | -          | -+       | +        | ┥                       |               | ┥        | -               | 123        | -        | -              |                 |          |          | _        | $\dashv$ | -        | ᅱ         |
| _               | 24            | +        | 7        | Ť        | _        | -            | ├            | ┢  | $\vdash$       | Н        | -        | 74       | _        | $\vdash$        | -        | $\dashv$   | $\dashv$ | +        | +                       | -             | ┨        | $\vdash$        | 124        | _        | $\vdash$       | _               | Н        |          |          | $\dashv$ |          | $\dashv$  |
|                 | 25            | +        | 7        | ÷        |          | -            | ├─           | $\vdash$   | $\vdash$       | $\vdash$ |          | 75       |          | $\vdash$        | ᅱ        | $\dashv$   | $\dashv$ | -        | +                       |               | $\dashv$ |                 | 125        |          | -              |                 | -        | -        | -        | -        | -        | $\dashv$  |
|                 | 26            | ÷        | _        |          |          | -            | ⊢            | ┢  | ┢              | Н        |          | 76       |          | -               | $\dashv$ | $\dashv$   | $\dashv$ | +        | $\dashv$                | $\dashv$      | ┨        | $\vdash$        | 126        |          | -              |                 |          |          |          | -        | -        | ╡         |
|                 | 27            | Н        |          | $\vdash$ | _        | -            | ╫            | ⊢  | ┢              | Н        | -        | 77       | -        | $\dashv$        | $\dashv$ | $\dashv$   | -        | +        | $\dashv$                | +             | ┪        | -               | 127        |          |                |                 |          | Н        |          | $\dashv$ | +        | $\dashv$  |
|                 | 28            | $\vdash$ | _        |          | _        | _            | $\vdash$     | <del>                                     </del> | $\vdash$       | H        |          | 78       | -        | _               | 十        | _          | +        | -        | ┪                       |               | ┪        | Н               | 128        | -        |                | _               | $\Box$   |          |          | $\dashv$ | $\dashv$ | $\dashv$  |
|                 | 29            |          |          |          |          |              | ┰            | ╁  | $\vdash$       | Н        |          | 79       | $\neg$   | $\dashv$        | $\dashv$ | _          | $\dashv$ | $\dashv$ | $\dashv$                | _             | ┪        | H               | 129        |          |                |                 |          |          |          | $\dashv$ | _        | ᅥ         |
|                 | 30            |          |          |          | _        |              | T            | t  | Г              | Н        |          | 80       |          | $\neg$          | $\dashv$ | 寸          | $\dashv$ | +        | ┪                       | $\dashv$      | 4        | $\vdash$        | 130        |          |                |                 | -        |          | -        | 寸        |          | $\exists$ |
|                 | 31            |          |          |          | _        |              |              |  |                | П        |          | 81       |          | $\neg$          | 寸        | 寸          | $\neg$   | ┪        | ┪                       | $\neg$        | 1        |                 | 131        |          | П              |                 | -        |          |          | $\neg$   | 7        | ┪         |
|                 | 32            |          |          |          |          |              |              |  |                |          |          | 82       |          | $\neg$          |          | $\neg$     | 寸        | T        | 7                       |               | 1        | H               | 132        |          | П              |                 |          |          |          | 一        |          | ᅥ         |
|                 | 33            |          |          |          |          |              |              | I  |                | П        |          | 83       |          |                 |          |            | ヿ        | 1        | T                       | $\neg \vdash$ | 7        |                 | 133        |          | П              |                 |          |          |          | ヿ        |          |           |
|                 | 34            |          |          |          |          |              |              |  |                |          |          | 84       |          |                 |          |            | _†       |          |                         |               | 7        |                 | 134        |          |                |                 |          |          |          | 寸        |          |           |
|                 | 35            |          |          |          |          |              |              |  |                |          |          | 85       |          |                 |          |            |          |          |                         |               |          |                 | 135        |          |                |                 |          |          |          | 丁        |          | $\Box$    |
|                 | 36            |          |          |          |          |              |              |  |                |          |          | 86       |          |                 |          |            |          |          |                         |               | ]        |                 | 136        |          |                |                 |          |          |          |          | ┚        |           |
|                 | 37            |          |          |          |          |              |              | $\Box$   |                |          |          | 87       |          |                 |          |            |          |          | $oldsymbol{\mathbb{J}}$ |               | ]        |                 | 137        |          |                |                 |          |          |          |          |          |           |
|                 | 38            |          |          |          |          | 匚            | 匚            |  |                |          |          | 88       |          |                 |          |            |          | $\perp$  |                         |               |          |                 | 138        |          |                |                 |          |          |          |          |          |           |
| $oxed{oxed}$    | 39            | Ш        |          |          |          |              | <u> </u>     | _  |                | Щ        |          | 89       |          | $\Box$          |          |            | [        | $\perp$  | $\perp$                 |               | 4        |                 | 139        |          |                |                 |          |          |          | $\Box$   | $\Box$   |           |
| <u> </u>        | 40            | Ш        |          |          |          |              |              |  | Ш              | Щ        |          | 90       | Ш        |                 |          | _1         |          | $\perp$  | Ц                       | _             | _        | $\perp \perp$   | 140        | Ш        | Ш              |                 |          |          |          | _[       | _[       | _         |
| ļ               | 41            | Ш        | Щ        |          |          | _            | <b> </b>     | _  | Ш              | Щ        | <u> </u> | 91       |          |                 | 4        | 4          | _        |          | 4                       | $\perp$       | 4        | $\sqcup$        | 141        | Щ        | Ш              | Ш               |          | $\Box$   |          | _        |          | _         |
|                 | 42            |          | Щ        | _        |          | $\vdash$     | <b>—</b>     | <b> </b>   |                | $\vdash$ | -        | 92       | $\Box$   | $\dashv$        |          | _          | -        | -        | 4                       | -             | 4        | $\vdash$        | 142        |          | Ш              | Ш               |          |          |          | _        | _        | $\Box$    |
| <b> </b>        | 43            |          | $\vdash$ | _        |          | $\vdash$     | $\vdash$     | _  | _              | $\vdash$ | <u> </u> | 93       | _        | -               | 4        | _          | 4        | -        | 4                       | +             | 4        | $\vdash \vdash$ | 143        |          | $\sqcup$       | Щ               |          | Ш        |          | -        | 4        | $\dashv$  |
| <u> </u>        | 44            |          | _        | 1        |          | $\vdash$     | <u> </u>     | -  | -              | $\vdash$ | <u> </u> | 94       |          | $\Box$          | -        | -+         | $\dashv$ | _        | $\dashv$                | $\dashv$      | 4        | $\vdash$        | 144        |          | Ш              | $\sqcup$        |          | $\Box$   | _        | _        | 4        | _         |
| <u> </u>        | 45<br>46      |          | 4        |          | _        | _            | <u> </u>     | <u> </u>   | -              | H        | $\vdash$ | 95       | _        |                 |          |            | $\dashv$ | +        | $\dashv$                | +             | 4        | $\vdash$        | 145        |          | Ш              | $\vdash \vdash$ |          |          |          | -        | 4        | 4         |
|                 | 46            | -        | $\dashv$ | $\dashv$ | -        | -            | -            | ├-   |                | $\vdash$ | ļ        | 96       | -        | $\dashv$        | -}       | -+         | +        | -        | $\dashv$                | -             | 4        |                 | 146        |          | Н              | $\vdash$        | _        | $\Box$   |          | -+       |          | $\dashv$  |
|                 | 47<br>48      |          | -        |          | Н        | $\vdash$     | -            | -  |                | $\vdash$ |          | 97<br>98 | $\dashv$ | $\dashv$        | -        | -+         | $\dashv$ |          | +                       | $-\vdash$     | - 1      | $\vdash$        | 147        | $\vdash$ | Н              |                 | $\vdash$ | $\vdash$ | -        |          | $\dashv$ | $\dashv$  |
| $\vdash \vdash$ | 48            |          | $\dashv$ |          | $\vdash$ | -            | -            | -  | -              | $\vdash$ |          | 98       | $\dashv$ | $\vdash$        | -        | -          | +        | -+       | +                       | +             | -        | $\vdash$        | 148        | $\vdash$ | Н              | $\square$       | $\Box$   | $\dashv$ |          |          | -        | ᅱ         |
|                 | 50            |          | $\dashv$ | $\dashv$ | -        | $\vdash$     | -            | -  | -              | $\dashv$ | -        | 100      |          | -               | $\dashv$ | $\dashv$   | $\dashv$ | +        | +                       | +             |          | $\vdash$        | 149        | $\vdash$ | $\vdash\vdash$ | $\vdash\vdash$  | $\dashv$ | $\dashv$ | -        | -+       | $\dashv$ | ᅱ         |
| لــــا          | <u> </u>      | $\Box$   |          |          |          |              |              |  |                |          |          | 100      |          |                 |          |            | 1        |          | - 1                     |               |          | 1 1             | 150        |          | 1              |                 |          |          |          |          | - 1      | - 1       |